

Fig. 1 (Prior Art)

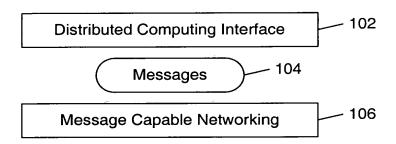


Fig. 2

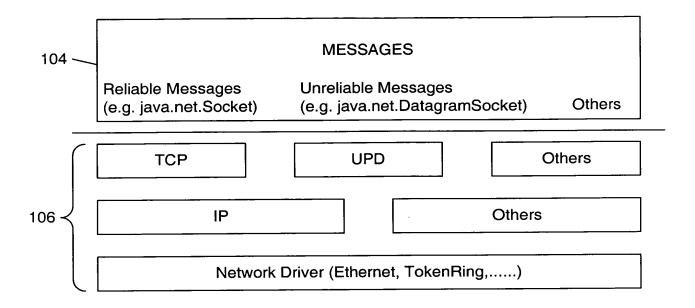


Fig. 3

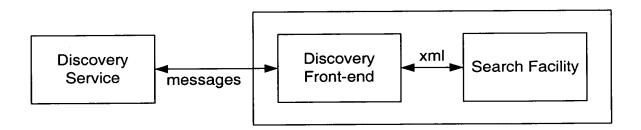


Fig. 4

Dynamic

Client Profile

Claim and Release (a lease) Find (an object)

Write and Take (an object) Notify on Write Public Apis

Dynamic XML to / from Objects

Send / Receive Byte Messages

Connection Transport

Static

Client Profile

Static XML Message Definitions

Send / Receive Byte Messages

Connection Transport

Fig. 5

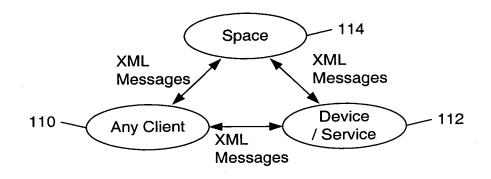


Fig. 6

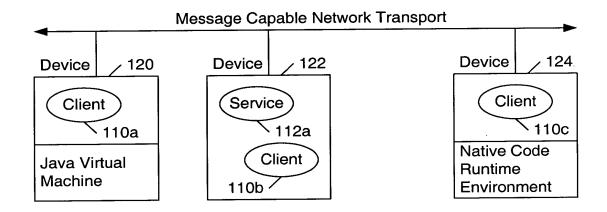


Fig. 7

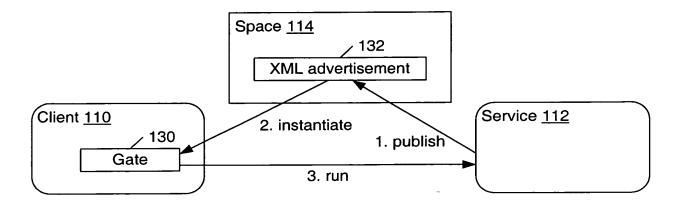


Fig. 8

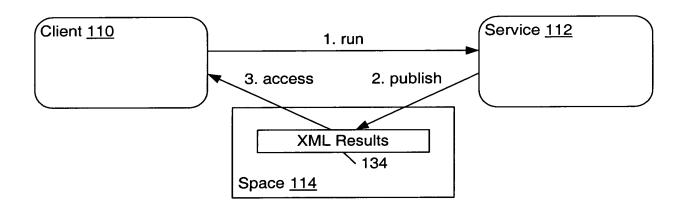


Fig. 9

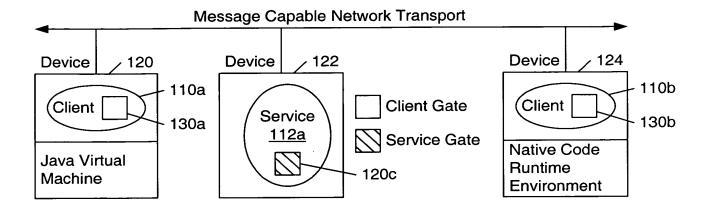


Fig. 10a

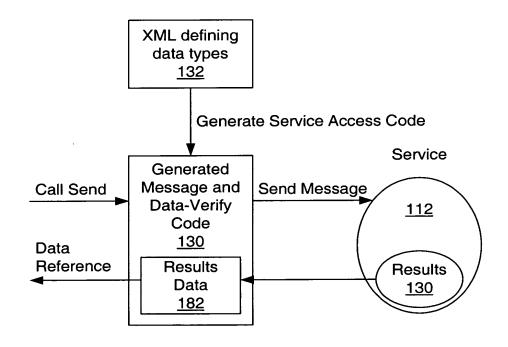


Fig. 10b

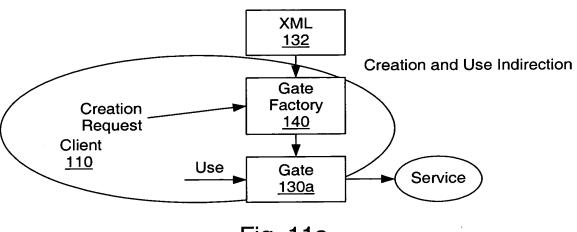


Fig. 11a

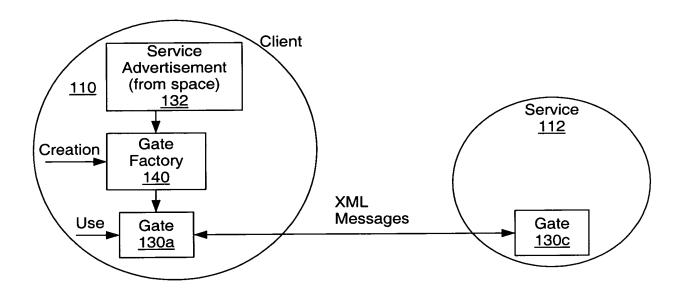


Fig. 11b

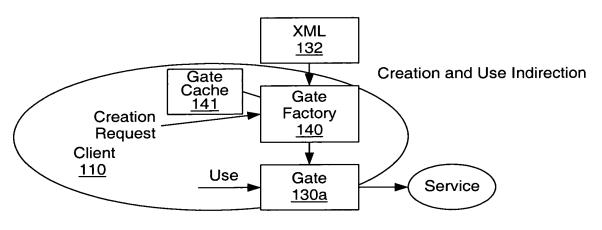


Fig. 11c

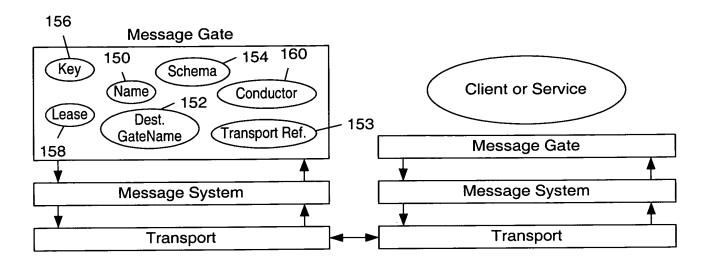


Fig. 12

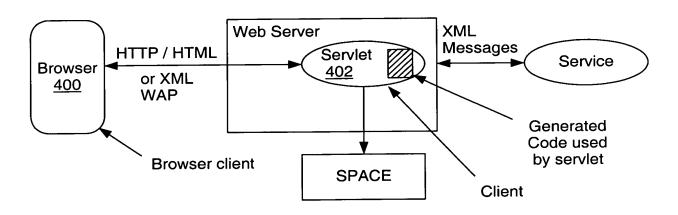


Fig. 13

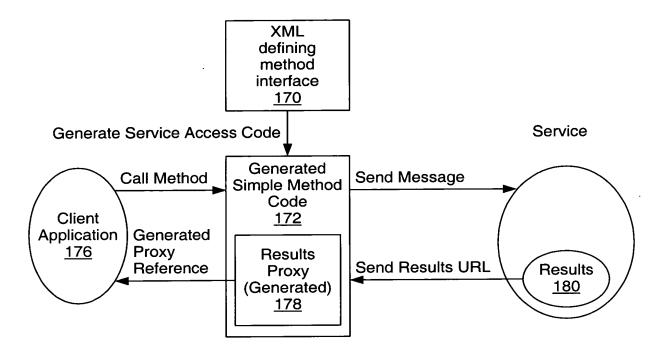


Fig. 14

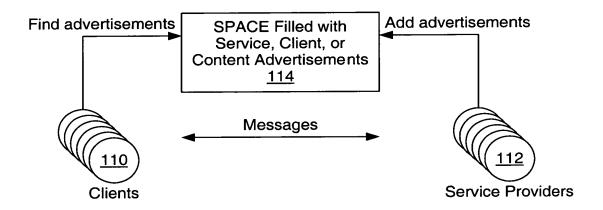


Fig. 15

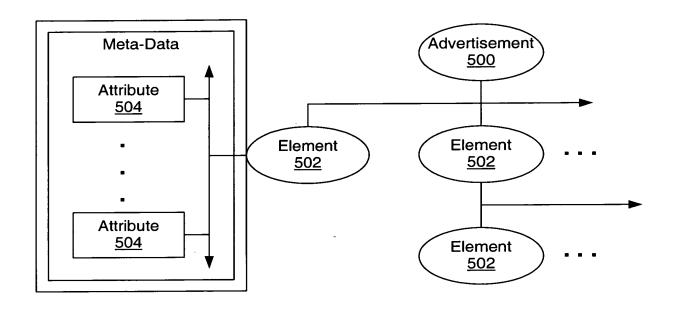


Fig. 16

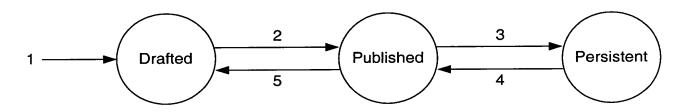
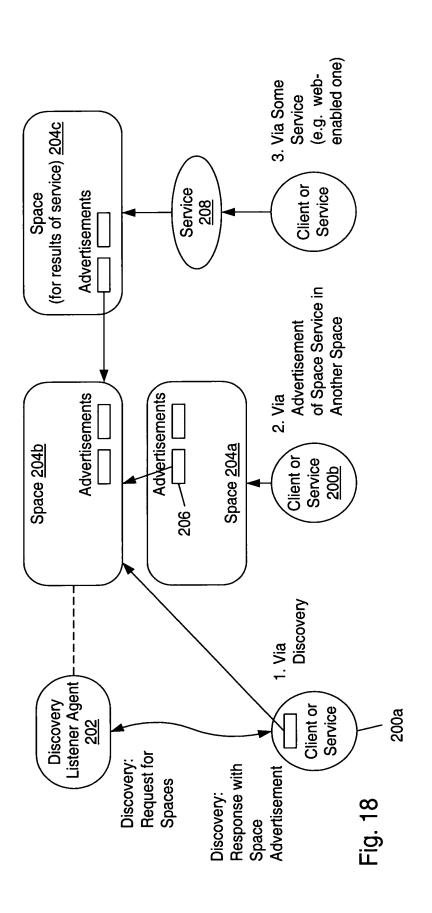
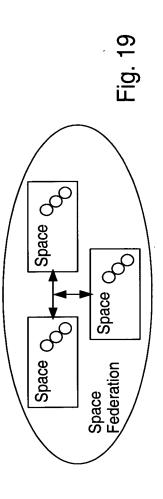


Fig. 17





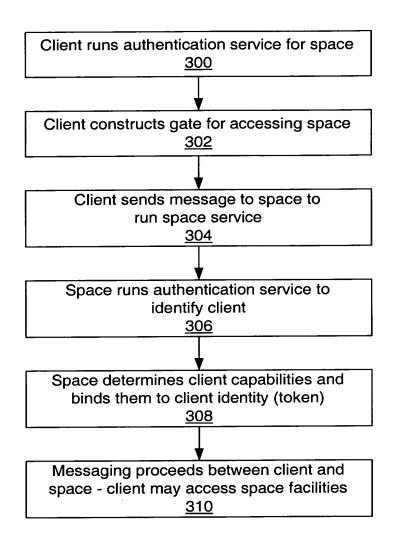


Fig. 20

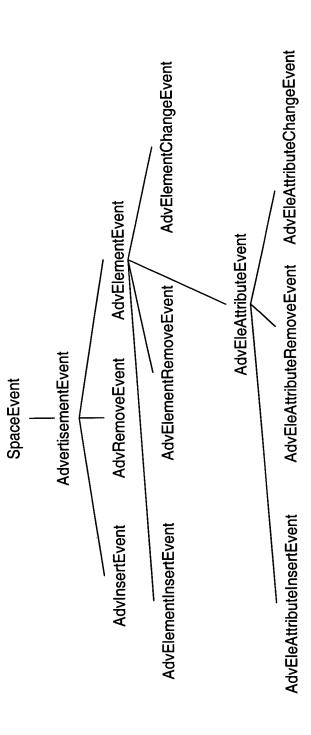


Fig. 21

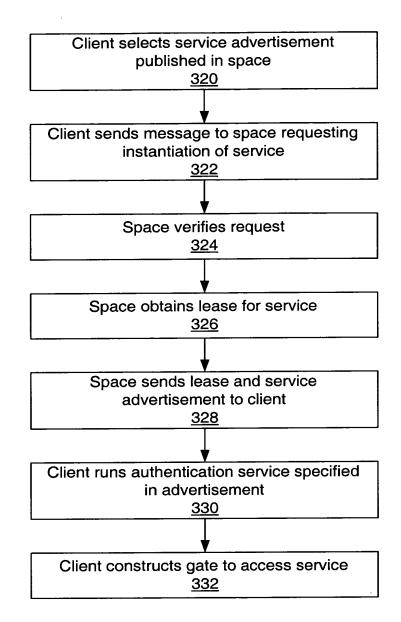


Fig. 22

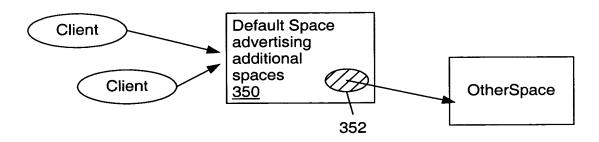
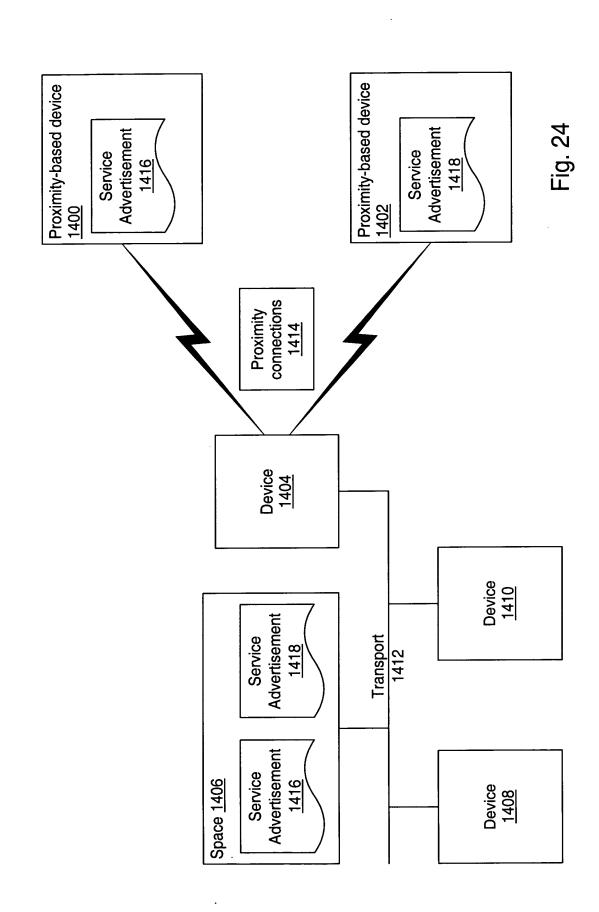


Fig. 23



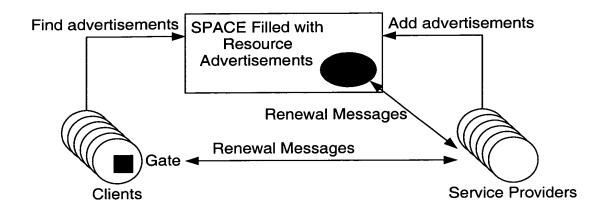


Fig. 25

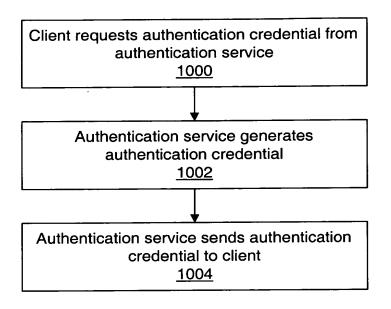


FIG. 26a

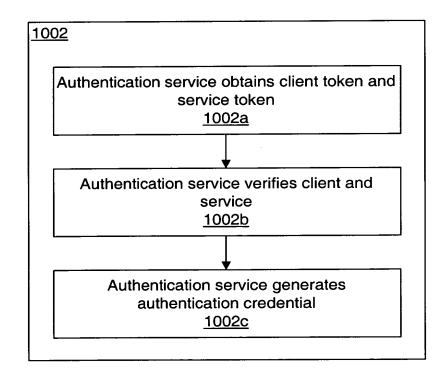
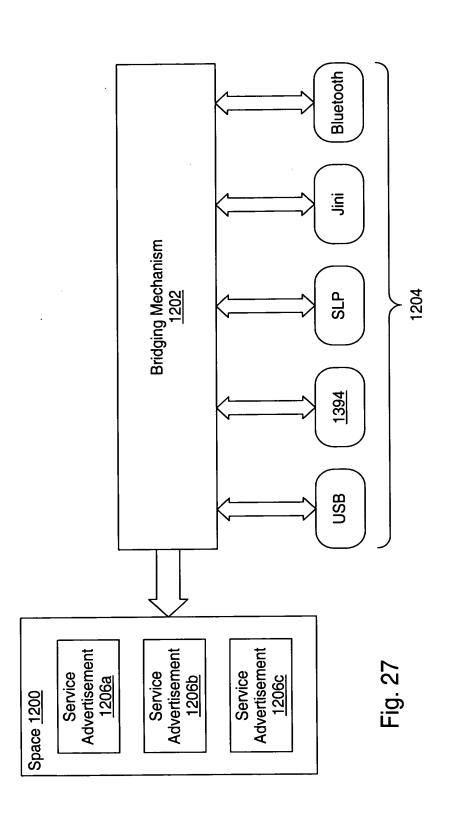
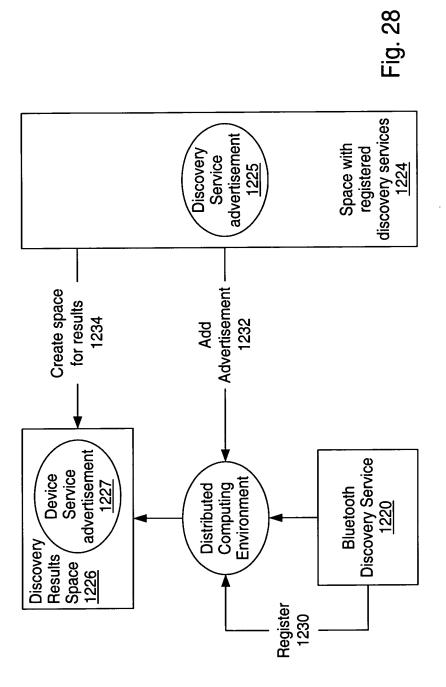
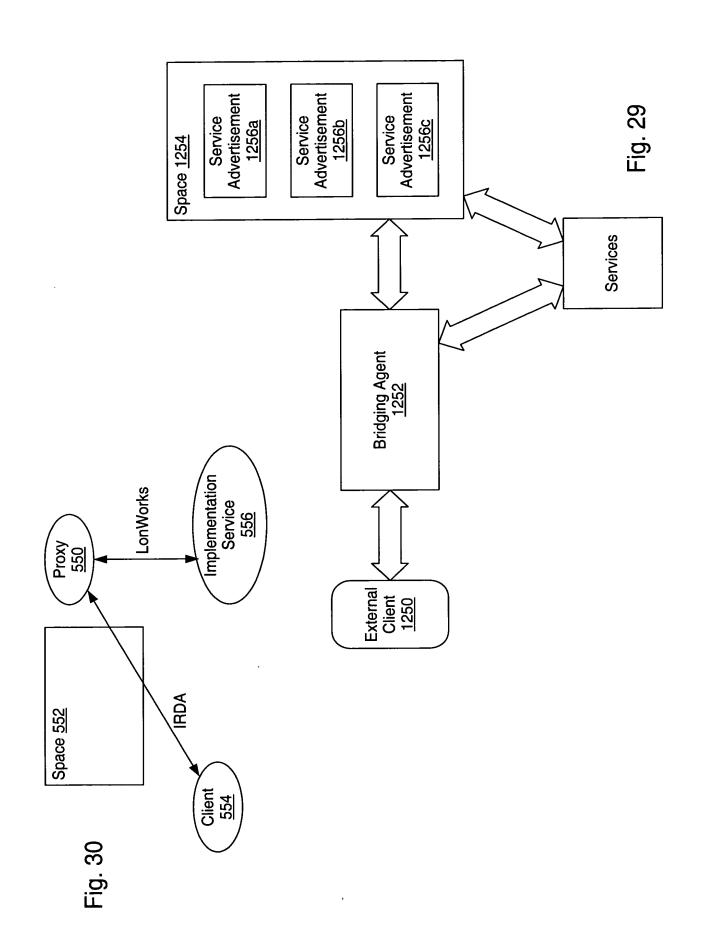
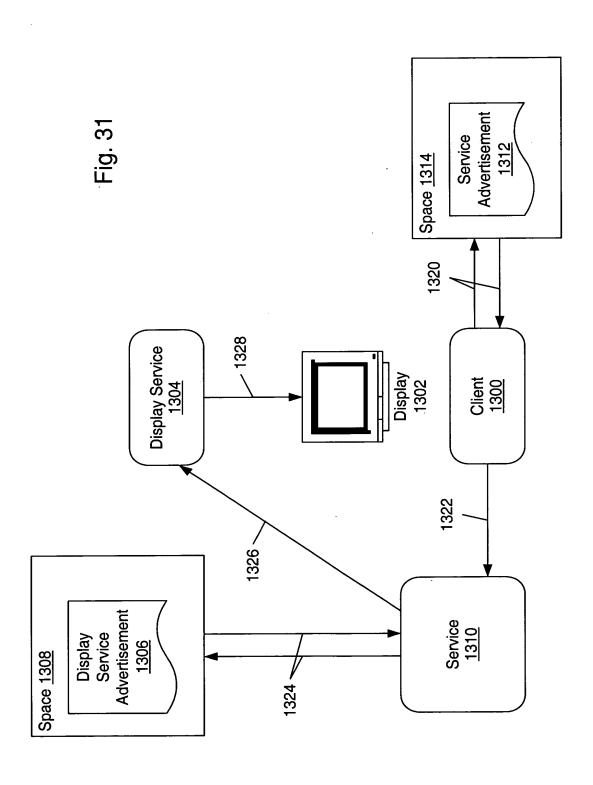


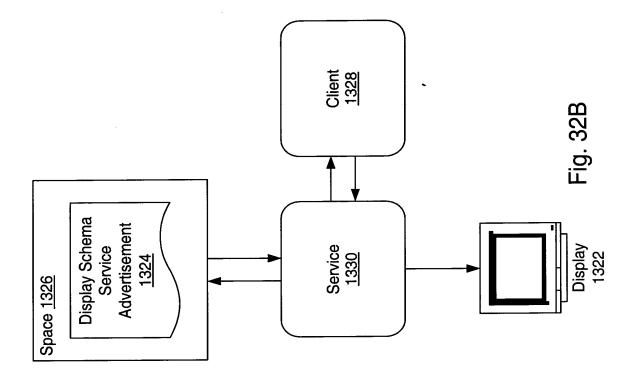
FIG. 26b

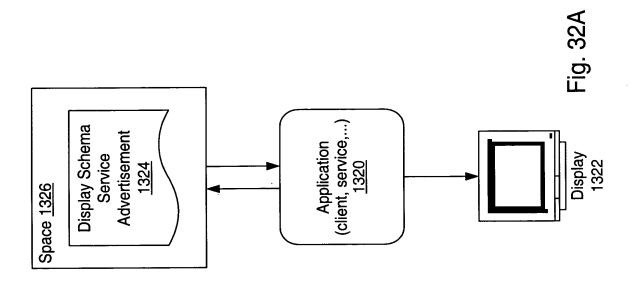


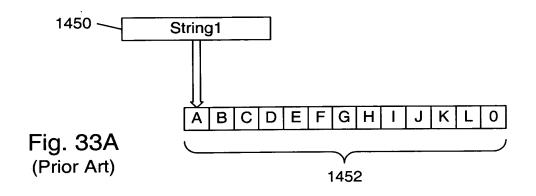


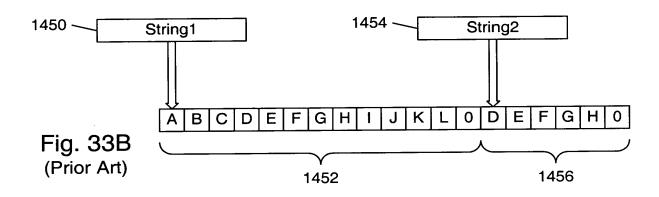


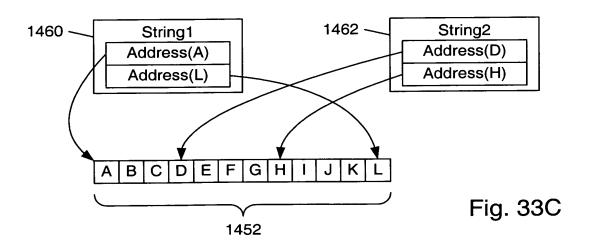












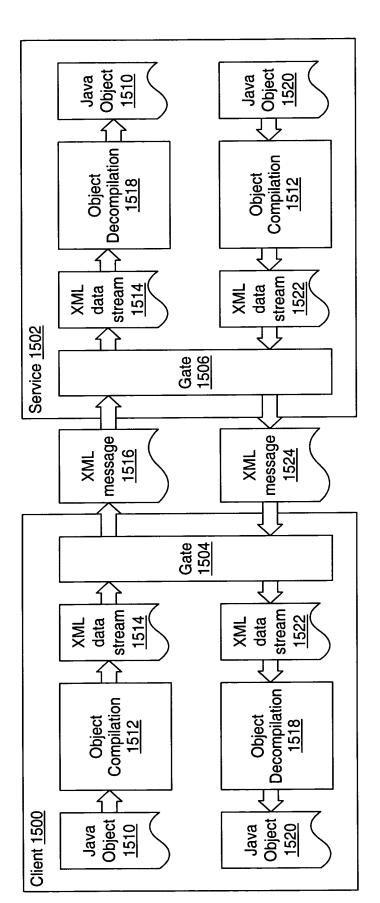


Fig. 34

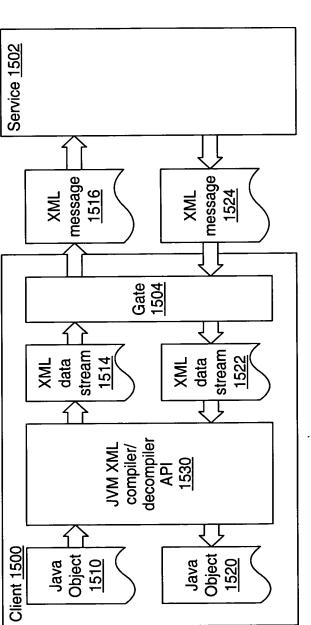
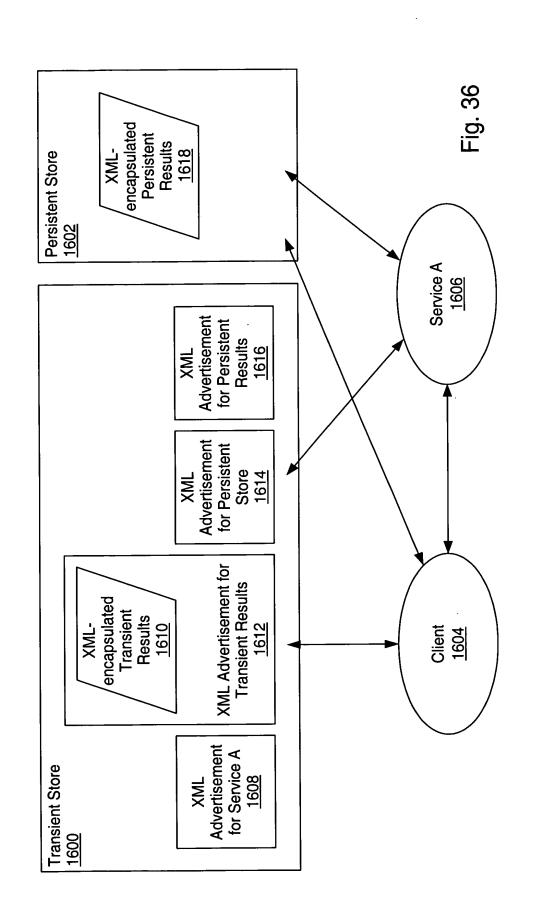


Fig. 35b Service 1502 message k 1524 message 1516 XML XML stream 1522 stream 1514 XML data data XML JVM XML compiler/ decompiler API 1530 Gate 1504 Java Object 1510 Java Object 1520 Client <u>1500</u>

Fig. 35a



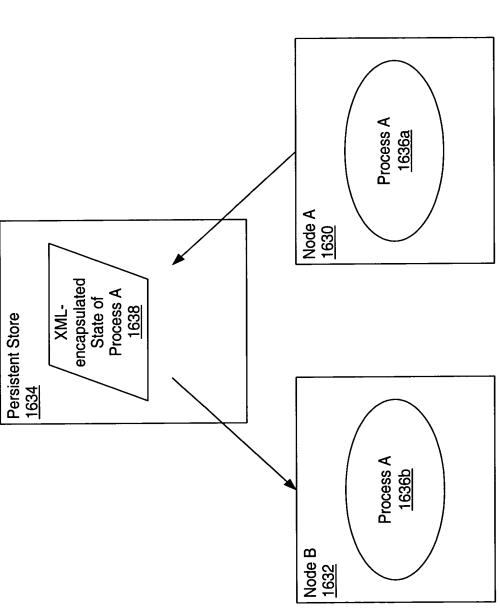


Fig. 37

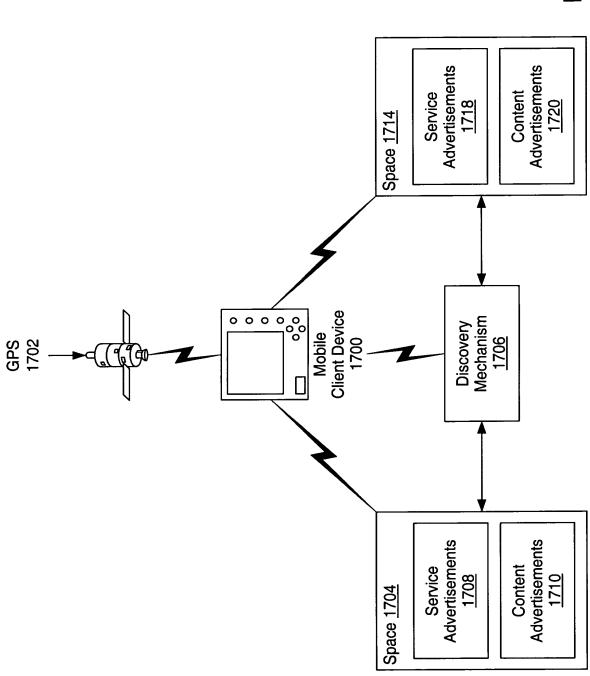
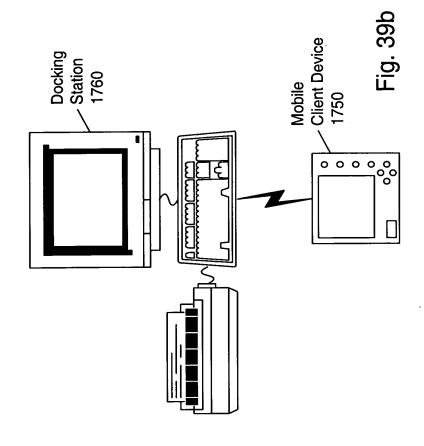


Fig. 38



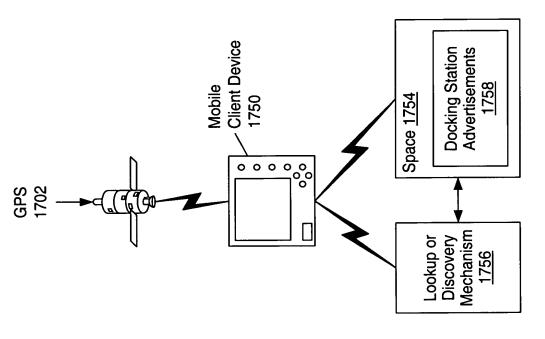
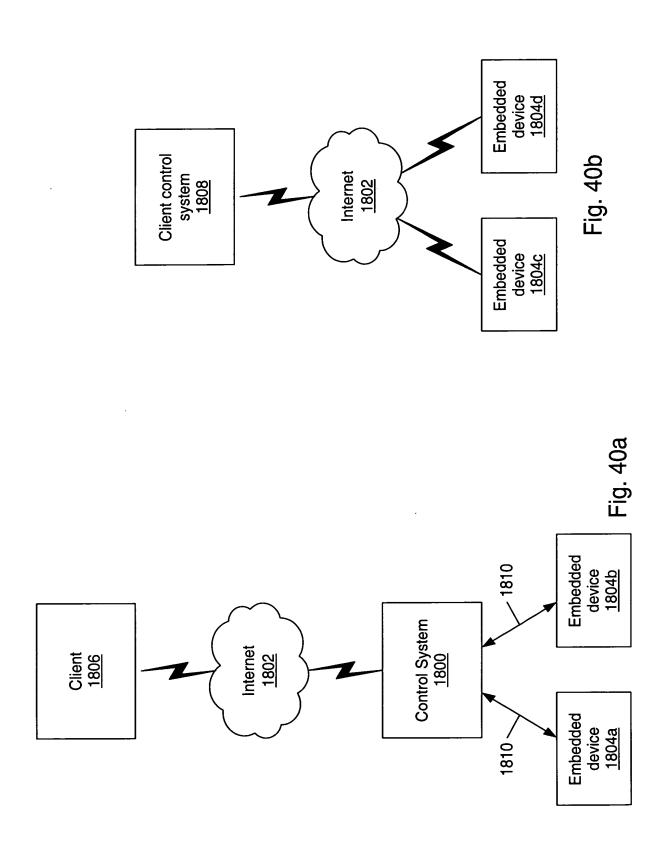


Fig. 39a



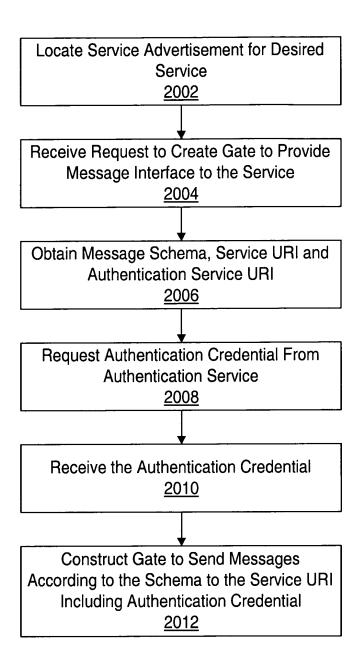


Fig. 41

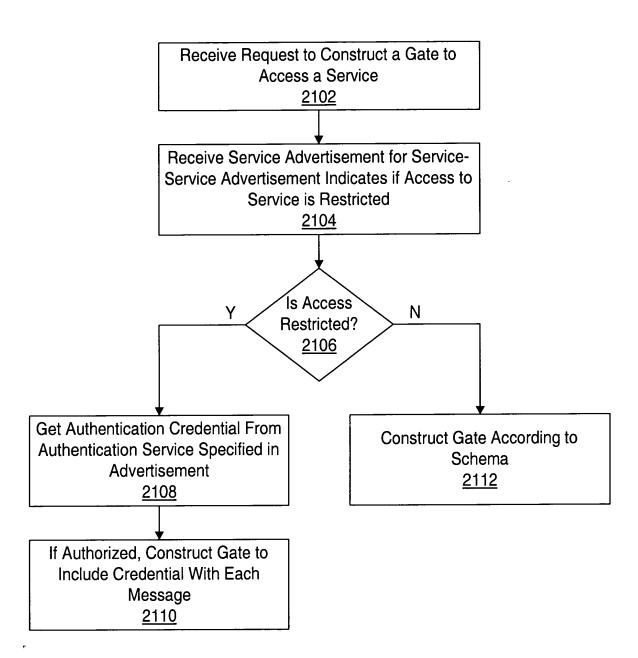


Fig. 42

